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1652  
PATENT  
Attorney Docket No. 06478.1461  
Customer Number 22,852

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                  |   |                                 |
|----------------------------------|---|---------------------------------|
| In re Application of:            | ) |                                 |
|                                  | ) |                                 |
| Takehiko KOIDE                   | ) | Group Art Unit: 1652            |
|                                  | ) |                                 |
| Application No.: 10/018,815      | ) | Examiner: Malgorzata A. Walicka |
|                                  | ) |                                 |
| Filed: June 6, 2002              | ) | Confirmation No.: 2579          |
|                                  | ) |                                 |
| For: HUMAN ANTITHROMBIN VARIANTS | ) |                                 |

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.111**

In response to the Office Action mailed August 25, 2004, the period for response having been extended to February 25, 2005, by a request for extension of three months and fee payment filed concurrently herewith, Applicant respectfully makes the following amendments and remarks:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks and Arguments** follow the amendment section of this paper, and begin on page 4.